

# FARIS CHEBIB

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## EXECUTIVE SUMMARY

I believe that technology can improve the lives of people from all walks of life. I am a hungry student of life and an enthusiastic teacher. Python is typically my tool of choice, but I use whatever tech available to solve problems. While I started my career as an independent developer, I quickly discovered that I enjoy helping teams to thrive. I am an active volunteer of the local tech and education community.

## PROFESSIONAL EXPERIENCE

### **Team by WeWork, Senior Software Engineer** *January 2017 – Present*

♦ On our *Data and Insights* team I refactored an old data-engineering application to better handle the increased demand and scale that the WeWork acquisition required of us. In addition I was able to set up a data pipeline to support the import of six months of enterprise calendar data in a scalable and encrypted manner. Part of this project also included a “cut-over” to a streamlined deployment and serverless approach. This approach allowed our customers to make insights into our product’s value without having to full onboard them into our platform.

♦ On our *Web Application* team I maintained and scaled a django monolith api backend to manage scheduling and room availability for over five thousands requests per second. Helped to streamline dev processes and run release cycles and schema migrations. Specialized in implementation of new APIs and worked with Front-end and Mobile teams to improve and implement new endpoints. Some project examples include:

♦ *Django Upgrade*: Led a remote and on-site team of devops and developers to upgrade our high availability Django application to Django 1.11 while maintaining a promised SLA.

♦ *Meeting Services*: An automated mechanism which allows meeting organizers to request services for upcoming meetings. Utilizes a Chrome extension and transactional emails to create a seamless experience with Google Calendar and Outlook.

♦ *Dynamic Feature Flags*: Re-packaged our company’s offerings into a dynamic set of feature flags in order to facilitate up-selling feature packages. This “meta-feature” also allowed us to run beta tests with customers in a fragmented way and allowed our marketing and sales team to achieve the best experience for our customers.

### **Zane Prep, Inc. (Zaniac), CTO** *April 2013 – January 2017*

♦ Co-Founded an after-school program and camp franchisor for K-8 students. Directed design decisions on and off the web. Implemented a number of essential software features as the business model developed. Consulted on a number of curriculum development tasks. Implemented continual development and improvement for software products. Documented and implemented website software and franchise computer labs. Primary projects include:

♦ *zaniaclearning.com*: A retail-management, sales, marketing, ecommerce, and schedule app. Used by franchise owners throughout the country in order to manage their day-to-day operations. Features a custom-built scheduling platform for instructors, students, and parents; a sign-in/sign-out mechanism for students and employees; a full ecommerce application with secure credit card storage and processing and; a learning management system (LMS) which builds custom curriculum for students and allows instructors to track students’ learning progression.

♦ *zaneprep.com*: Corporate page for Zane Prep, Inc. Used Django to create an in-page content editing platform for the corporate site. Implemented a https-everywhere certificate to save money on SSL.

### **Lucky Bead Consulting, Consultant** *August 2008 – Present*

♦ A side-project / LLC to help with one-off projects Specific projects include:

♦ *TayDye.ca* : A Django-based portfolio site for local Vancouver artist Taylor Boisjoli. This custom-tailored CMS allows Taylor to display her work and automatically embeds a watermark to protect her intellectual property and promote her brand. Future improvements will include a merchant account to allow Taylor to sell her artwork and crafts.

♦ *HRCconstruction.com* : A Jekyll-based brochureware site highlighting the construction and community achievements of a Vancouver-based construction firm. The site was quickly uploaded and developed iteratively using a number of Ruby-based website development tools.

### **Vancouver Community Network, Software Developer** *October 2010 – April 2012*

♦ Created an Excel-compatible migration script to streamline migration into the new Django-based web platform.

♦ Created web-based community activism tools for local non-profits to streamline collaborative processes to a web environment.

♦ Wrote and taught a number of software tutorials to technology novices in the local community.

♦ Introduced blogging and email to senior patrons, introduced content-management systems to senior administration.

### **Elphel Inc, October 2008 – August 2008**

♦ Programmed and maintained open-source ethernet-powered cameras for use by Google Street View.

♦ Designed quality assurance testing practices, documentation, and hardware monitoring toolkits for the camera’s embedded OS.

## TECHNICAL SKILLS SUMMARY<sup>1</sup>

**Python/Django Development:** 12 years, with recent contributions to Django Channels<sup>2</sup>, Django Core documentation<sup>3</sup>, and Secure Drop's translation scripting<sup>4</sup>.

**HTML5/CSS3/SASS:** 9 years

**Javascript (Browser-side):** 7 years, including React, Angular, and Webpack.

**Node.js:** 6 years

**Java:** 2 years, mostly small Android-based projects

**PostgreSQL:** 3 years, also implemented a "nearest retail location" map in GIS/PostGIS

**Ruby/Rails Development:** 1 year

**RedisDB/NoSQL:** 5 years

**Git (SCM):** 8 years

**Linux/Unix Server Administration:** 11 years (heavy focus on Nginx with previous experience in Apache. Including HTTPS/SSL hosting)

**Docker:** 5 years

## FORMAL EDUCATION, VOLUNTEER ACTIVITIES, AND ACADEMIC HONOURS

**Big Brothers Big Sisters of Utah, Volunteer** September 2019 – Present

◊ On a weekly basis, I advise my little "brother" on the academic, life, and professional skills he will need in order to succeed in post-secondary education. Each week we write responses to our "little" and every month during the school year we have an in-person one-on-one.

**Primary Children's Hospital, Volunteer** October 2016 – Present

◊ On a weekly basis, I volunteer at Primary Children's Hospital by helping patients and their families become engaged in crafts, games, and other constructive distractions. We coordinate from a central point in the hospital, but will also use biological isolation procedures to bring activities to individual patient rooms.

**Salt Lake City Python User's Group, Founder and Chief Organizer** [meetup.com/SLCPython](http://meetup.com/SLCPython) February 2014 – Present

◊ A technical meetup group with over 2,000 members. Typically host 30-50 members per monthly meetup. We are one of the top three largest technical meetups in the Salt Lake Valley. We provide resources for the SLC tech community including career advancement discussion and other important professional development skills.

◊ Responsible for coordinating sponsorship, venue, refreshments, raffle prizes, live-streaming, and technical speakers.

◊ Have given numerous technical talks and have emceed nearly all meetups.

**Winner of the 2014 Hackdance in Park City, UT** January 2014

◊ Leading a team of four other individuals, we created an anti-bullying Chrome plugin which integrated with Twitter in order to help report and mediate discussion of abusive behaviour on twitter and potentially other social media platforms.

**BA in Cognitive Science**

◊ Simon Fraser University, Vancouver, BC, Canada

◊ Year Graduated: 2011

◊ Concentrations in Creative Cognition & Executive Processing

## OTHER SKILLS

◊ Private Pilot: June 2014 - Present

◊ Canadian Aeronautical Radio License: August 2012

◊ Various First Aid Qualifications (Including CPR and Wilderness First Aid): Dec 2004

## FEATURED ONLINE WORK

◊ <https://zaniaclearning.com> → Primary web application for Zane Prep, Inc. A retail-management website, marketing page, ecommerce app, and scheduling app all rolled into the same site.

◊ <https://github.com/octaflop> → My github repo, with featured projects emphasizing technical talks and boilerplate projects for others to work on. Also a number of open-source contributions.

◊ <https://farischebib.is/> → A portfolio and proper noun page

◊ <http://frpbc.ca/> → An example of enterprise-level SaaS development for a non-profit.

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<sup>1</sup> <http://catb.org/esr/writings/unix-koans/recruiter.html>

<sup>2</sup> <https://github.com/django/channels/commits?author=octaflop>

<sup>3</sup> <https://github.com/twoscoops/django-twoscoops-project/blob/master/CONTRIBUTORS.txt>

<sup>4</sup> <https://github.com/freedomofpress/securedrop/pull/3425>